

Title (en)

Surgical cutter stapler with slotted pins guiding knife

Title (de)

Schneidendes, chirurgisches Klammersetzgerät mit durch geschlitzten Stiften geführtem Messer

Title (fr)

Agrafeuse-coupeuse chirurgicale, le couteau étant guidé par des tiges à fentes

Publication

EP 1550410 A2 20050706 (EN)

Application

EP 04258157 A 20041229

Priority

US 53291303 P 20031230

Abstract (en)

A surgical instrument adapted for applying a plurality of surgical fasteners to body tissue, the surgical instrument comprising: a frame having a proximal end and a distal end, with a handle positioned at the proximal end and an end effector positioned at the distal end; the end effector being shaped and dimensioned for supporting a cartridge housing and an anvil, the cartridge housing and anvil being relatively movable between a first spaced apart position and a second position in close approximation with one another, and the cartridge housing includes a knife adapted for cutting tissue by moving between the cartridge housing and the anvil; a firing mechanism is associated with the end effector and the cartridge housing for selective actuation; and a tissue retention feature associated with the cartridge housing and anvil, the tissue retention including an upper pin and a lower pin maintaining tissue within the end effector during treatment, wherein the upper and lower pins respectively include slots associated with the knife for guiding it between the cartridge housing and the anvil.

IPC 1-7

A61B 17/072

IPC 8 full level

A61B 17/3211 (2006.01); **A61B 10/00** (2006.01); **A61B 17/00** (2006.01); **A61B 17/04** (2006.01); **A61B 17/072** (2006.01); **A61B 17/068** (2006.01); **A61B 17/115** (2006.01); **A61B 17/32** (2006.01)

CPC (source: EP US)

A61B 17/072 (2013.01 - EP US); **A61B 17/068** (2013.01 - EP US); **A61B 17/115** (2013.01 - EP US); **A61B 2017/07214** (2013.01 - EP US); **A61B 2017/07221** (2013.01 - EP US); **A61B 2017/07271** (2013.01 - EP US); **A61B 2017/07285** (2013.01 - EP US); **A61B 2017/320052** (2013.01 - EP US)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1550410 A2 20050706; EP 1550410 A3 20060531; EP 1550410 B1 20080227; AT E387147 T1 20080315; AU 2004242528 A1 20050714; AU 2004242528 B2 20111006; BR PI0405849 A 20050920; BR PI0405849 B1 20150714; BR PI0405849 B8 20210622; CA 2491795 A1 20050630; CA 2491795 C 20121218; CN 100502796 C 20090624; CN 1672646 A 20050928; DE 602004012055 D1 20080410; DE 602004012055 T2 20090319; ES 2300718 T3 20080616; JP 2005211651 A 20050811; JP 4754212 B2 20110824; MX PA05000219 A 20050826; PL 1550410 T3 20080731; US 2005145673 A1 20050707; US 7204404 B2 20070417

DOCDB simple family (application)

EP 04258157 A 20041229; AT 04258157 T 20041229; AU 2004242528 A 20041230; BR PI0405849 A 20041230; CA 2491795 A 20041224; CN 200410103279 A 20041230; DE 602004012055 T 20041229; ES 04258157 T 20041229; JP 2004380192 A 20041228; MX PA05000219 A 20050103; PL 04258157 T 20041229; US 1491404 A 20041220